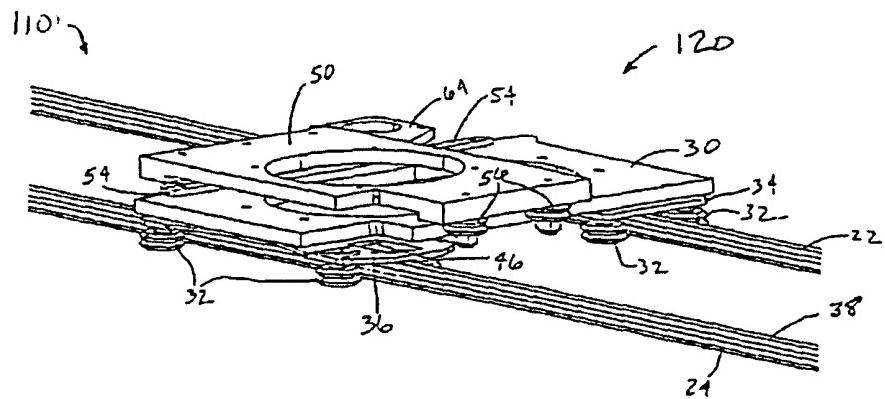
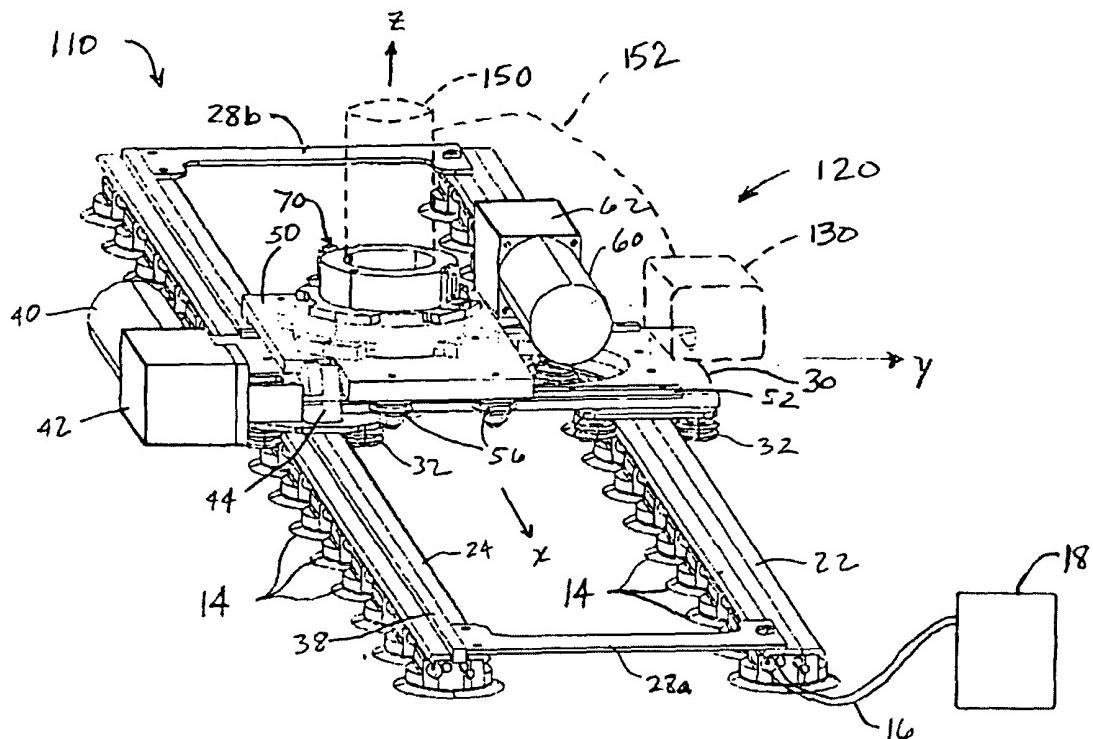


Fig. 1



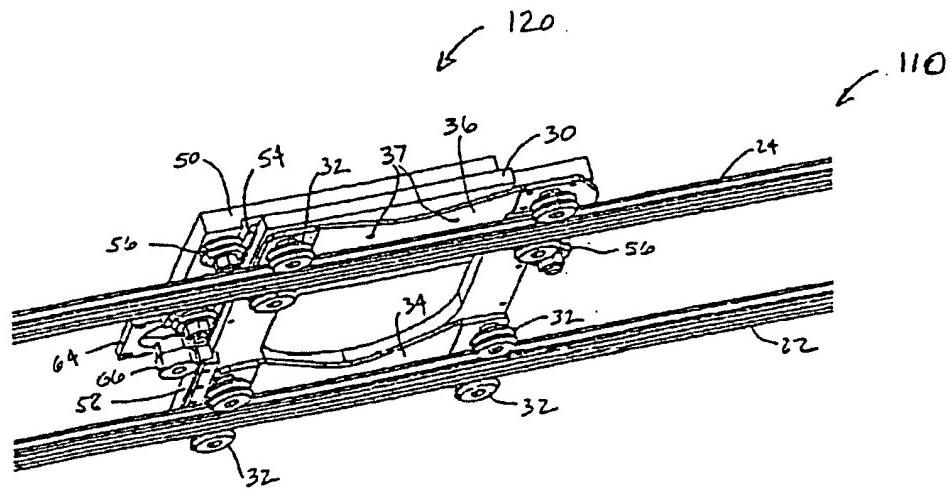


Fig. 4

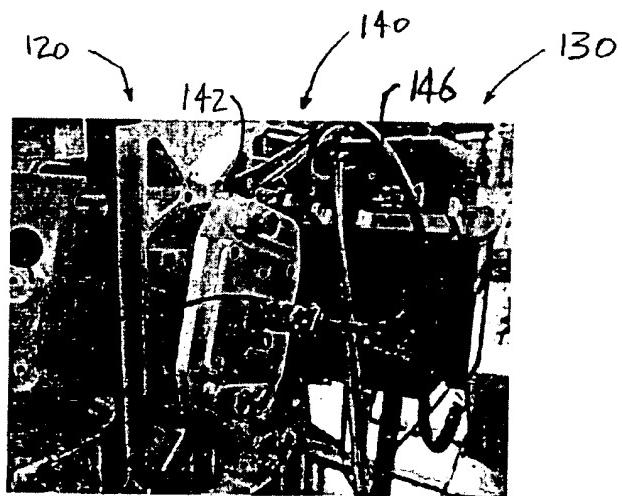


Fig. 5

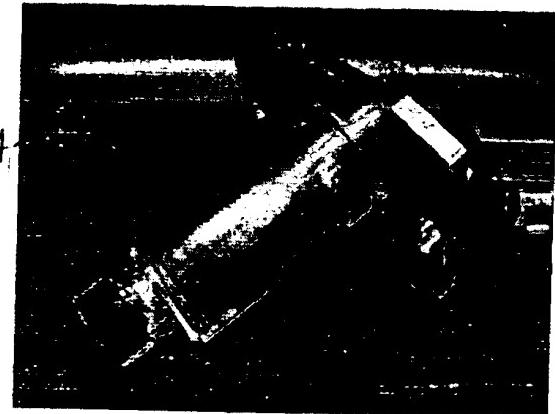


Fig. 6

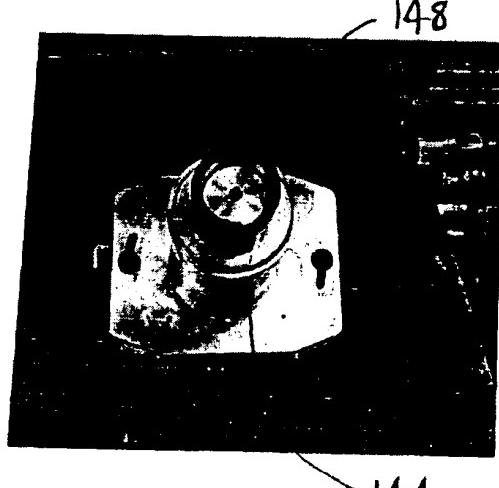


Fig. 7

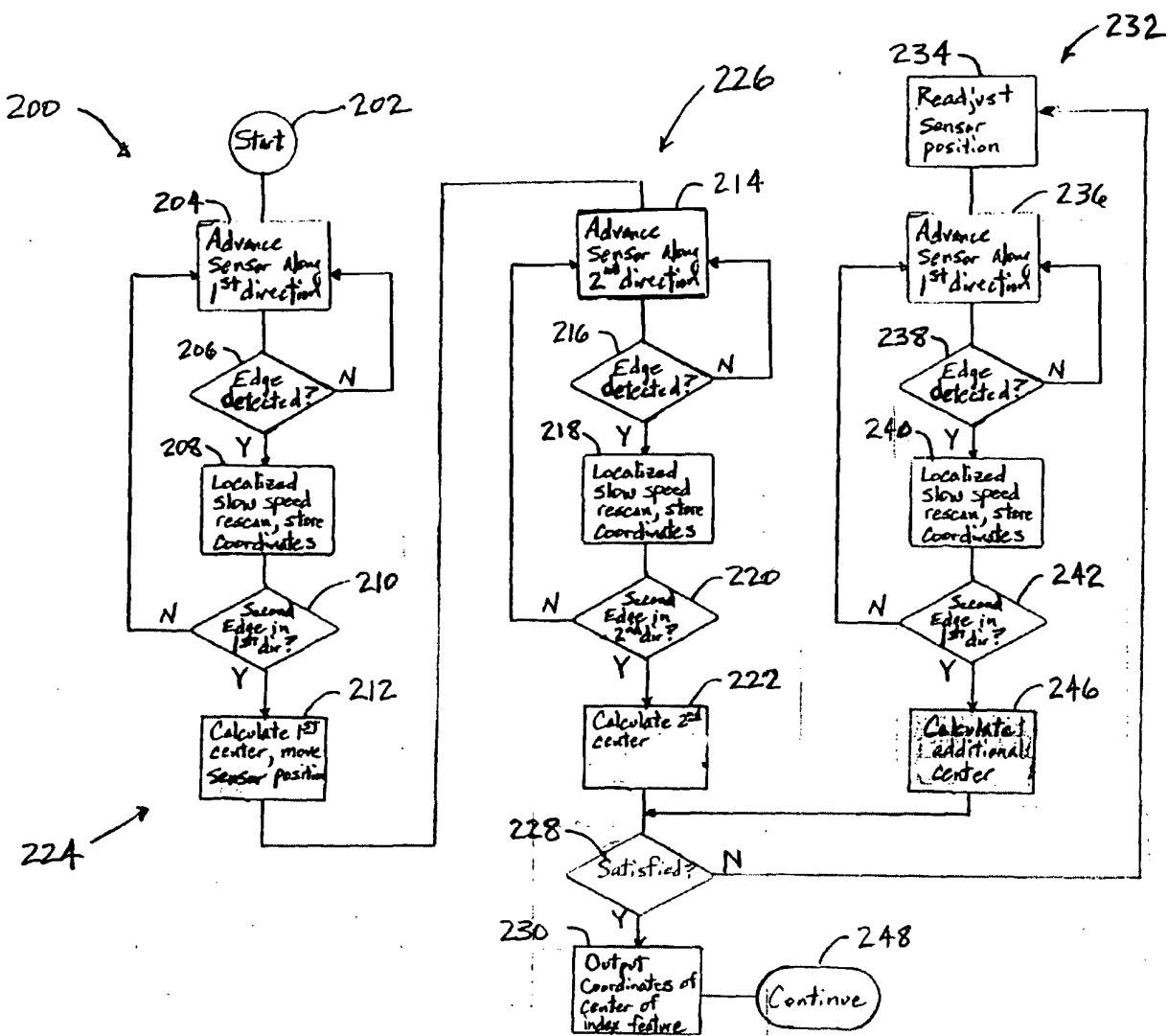


Fig. 8

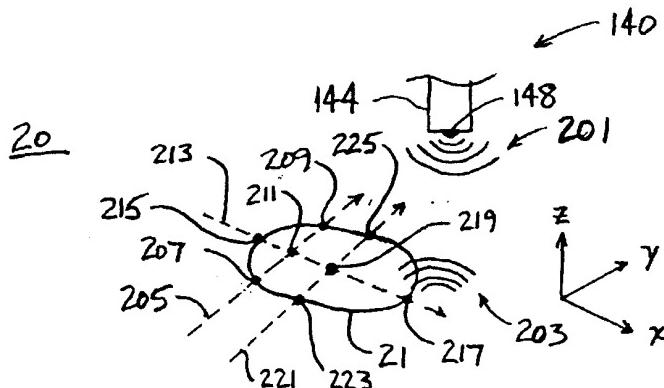


Fig. 9

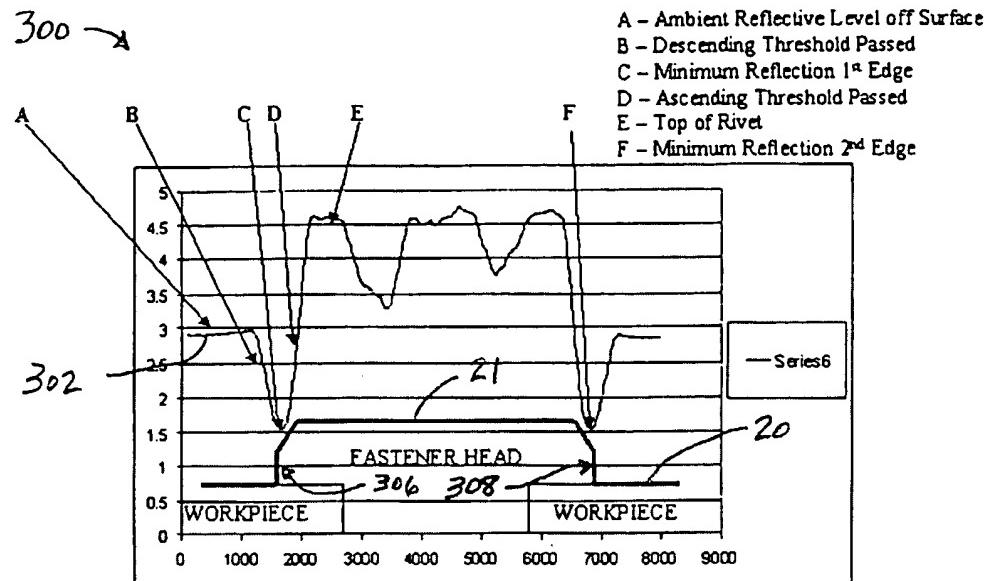


Fig. 10

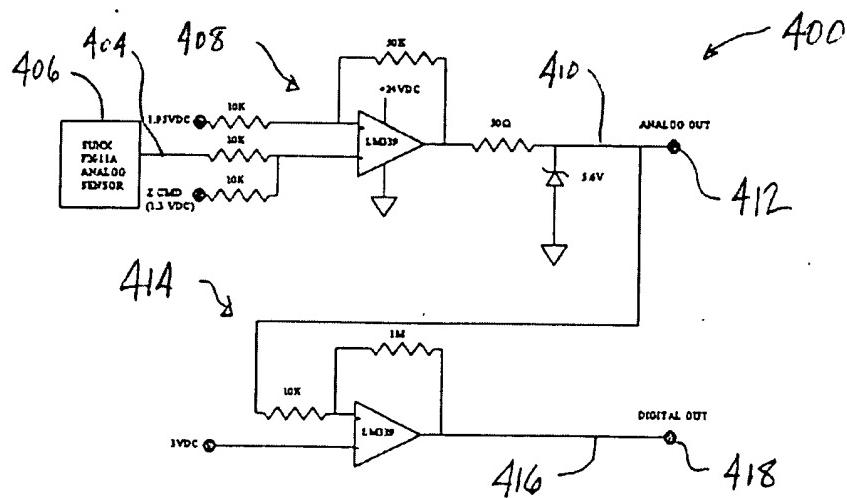


Fig. 11

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Attorney Docket No. BING-1-1005
APPARATUS AND METHODS FOR MANUFACTURING
OPERATIONS USING NON-CONTACT POSITION SENSING
Filed June 25, 2003
Express Mail No. EL476465597US
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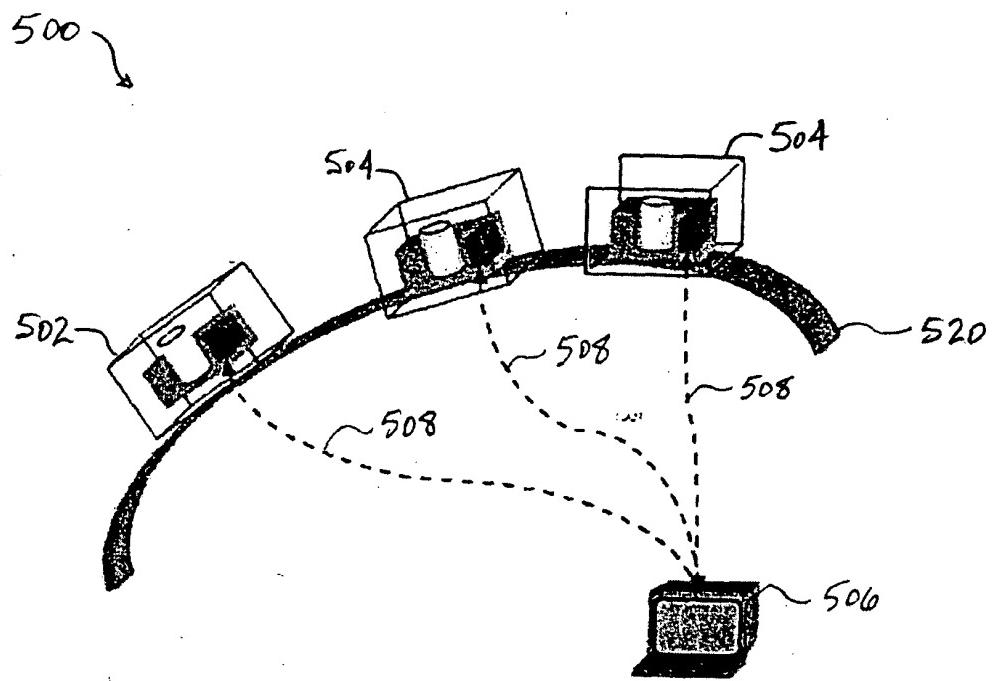


Fig. 12